

March 19, 2004

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572
28 Davis Avenue
Poughkeepsie, N.Y. 12603

Subject:

Serial No. 10/782,671 02/19/04

Charles C. Lin et al.

MAGNETIC ASSIST READ TRACK-WIDTH
DEFINITION FOR A LEAD OVERLAY TOP
SPIN-VALVE GMR HEAD

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
In An Application.

The following Patents and/or Publications are submitted to
comply with the duty of disclosure under CFR 1.97-1.99 and
37 CFR 1.56.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service as first class
mail in an envelope addressed to: Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450, on March 25, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date SB Ackerman 3/25/04

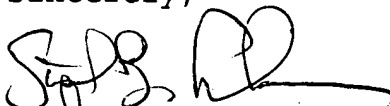
U.S. Patent 6,201,669 to Kakihara, "Magnetoresistive Element and Its Manufacturing Method," discusses a spin-valve type read element in which the lead layers are formed both beneath and on the sides of the element.

U.S. Patent 5,869,963 to Saito et al., "Magnetoresistive Sensor and Head," discusses a spin valve sensor formed of multiple spin valve laminates and using PtMn as the anti-ferromagnetic layer which allows lower annealing temperatures.

U.S. Patent 5,705,973 to Yuan et al., "Bias-Free Symmetric Dual Spin Valve Giant Magnetoresistance Transducer," discusses a dual spin valve formation with improved biasing of the free layer by forming pinned layers both above and below it.

U.S. Patent 5,828,530 to Gill et al., "Orthogonal Spin Valve Sensor with Reduced Net Field," discusses a spin valve sensor antisymmetrically located between upper and lower shield layers so that image currents in said shield layers cancel the effects of fields produced by the sense current within the sensor, which latter fields have the undesirable effect of stiffening the magnetic moment of the free layer.

Sincerely,


Stephen B. Ackerman,
Reg. No. 37761

